

*Fig. 1*  
*(Prior Art)*

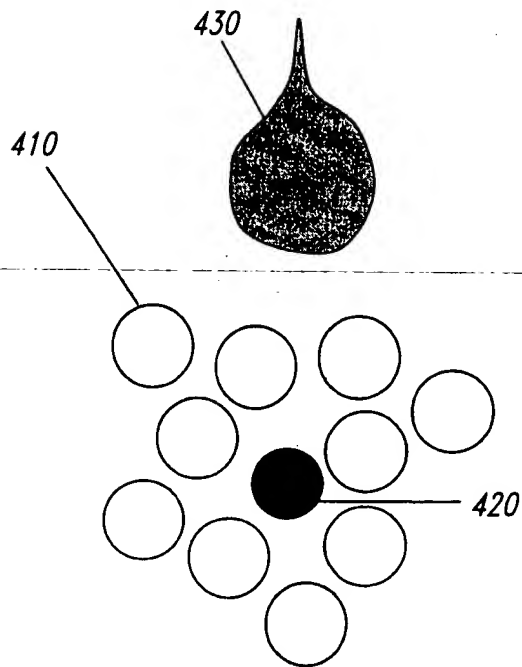


Fig. 4A

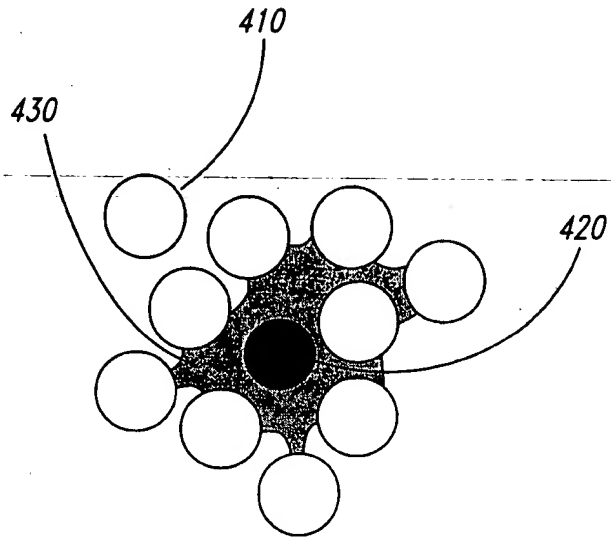


Fig. 4B

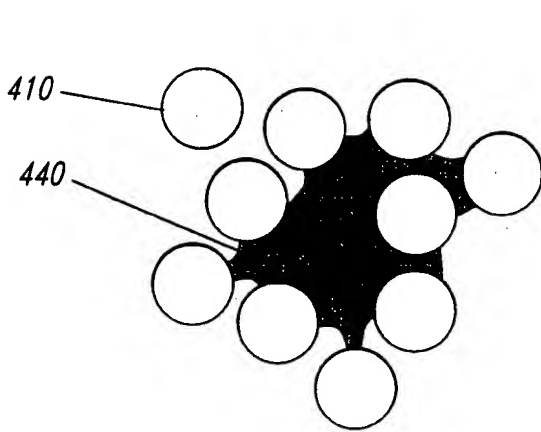


Fig. 4C

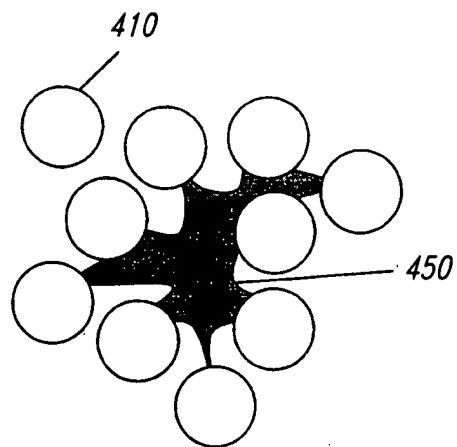
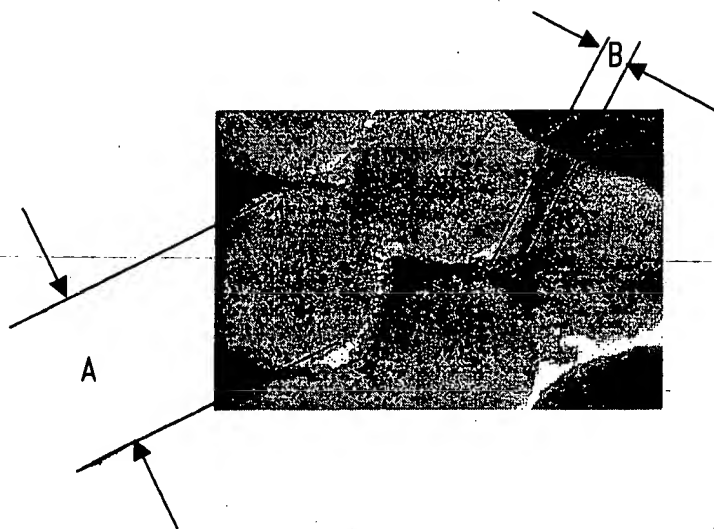
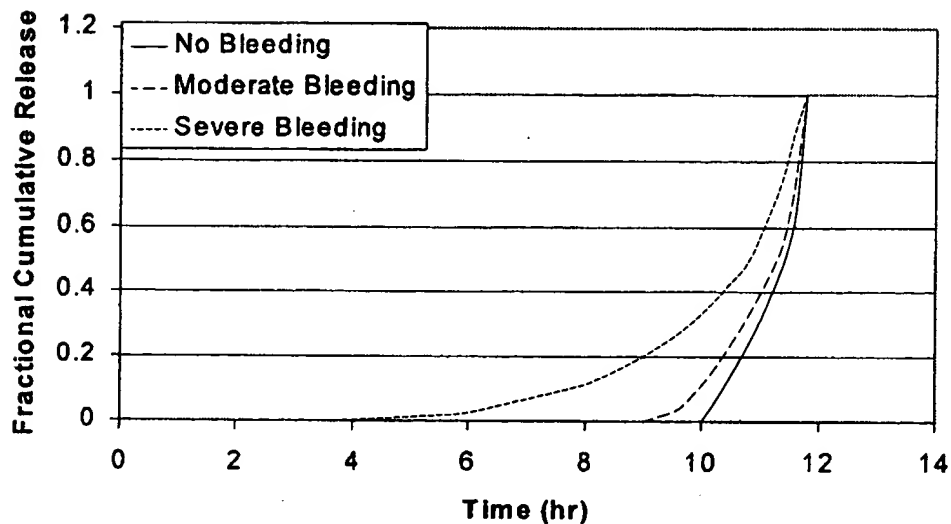


Fig. 4D

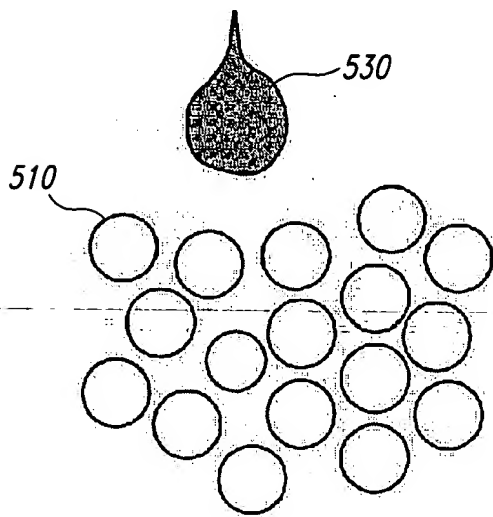


*Fig. 2*  
(Prior Art)

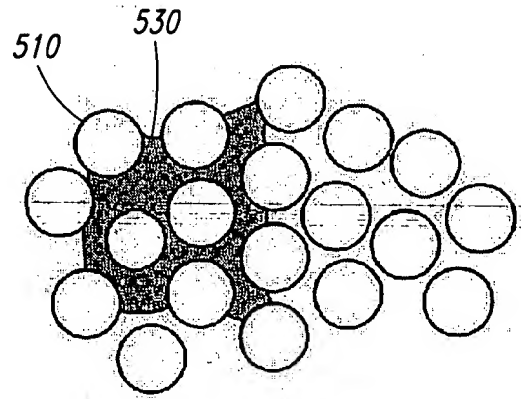
**Theoretical Cumulative Release**



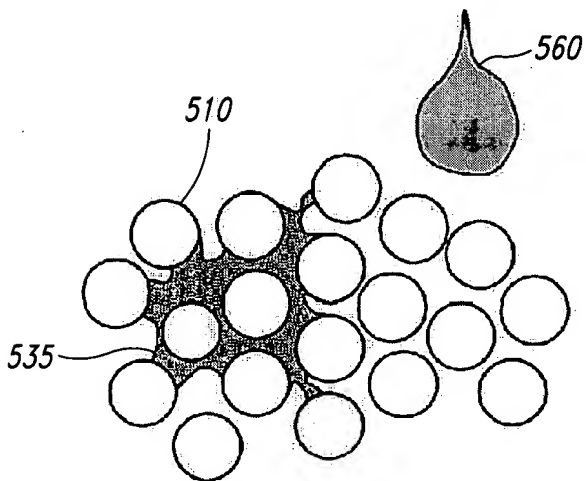
*Fig. 3*



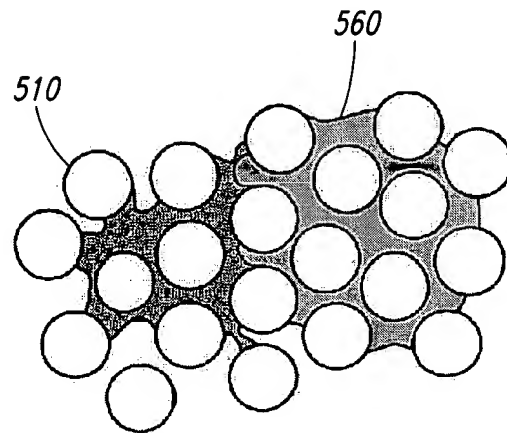
*Fig. 5A*



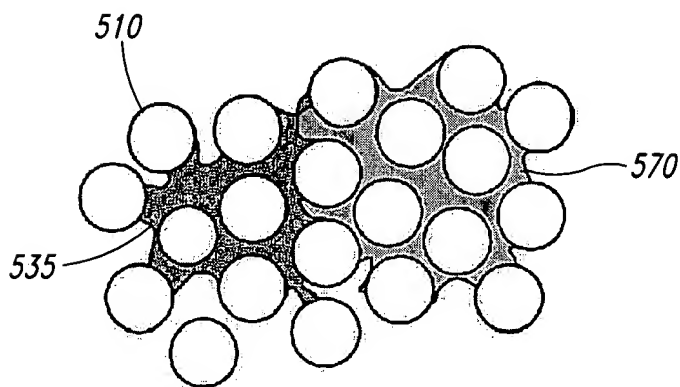
*Fig. 5B*



*Fig. 5C*



*Fig. 5D*



*Fig. 5E*

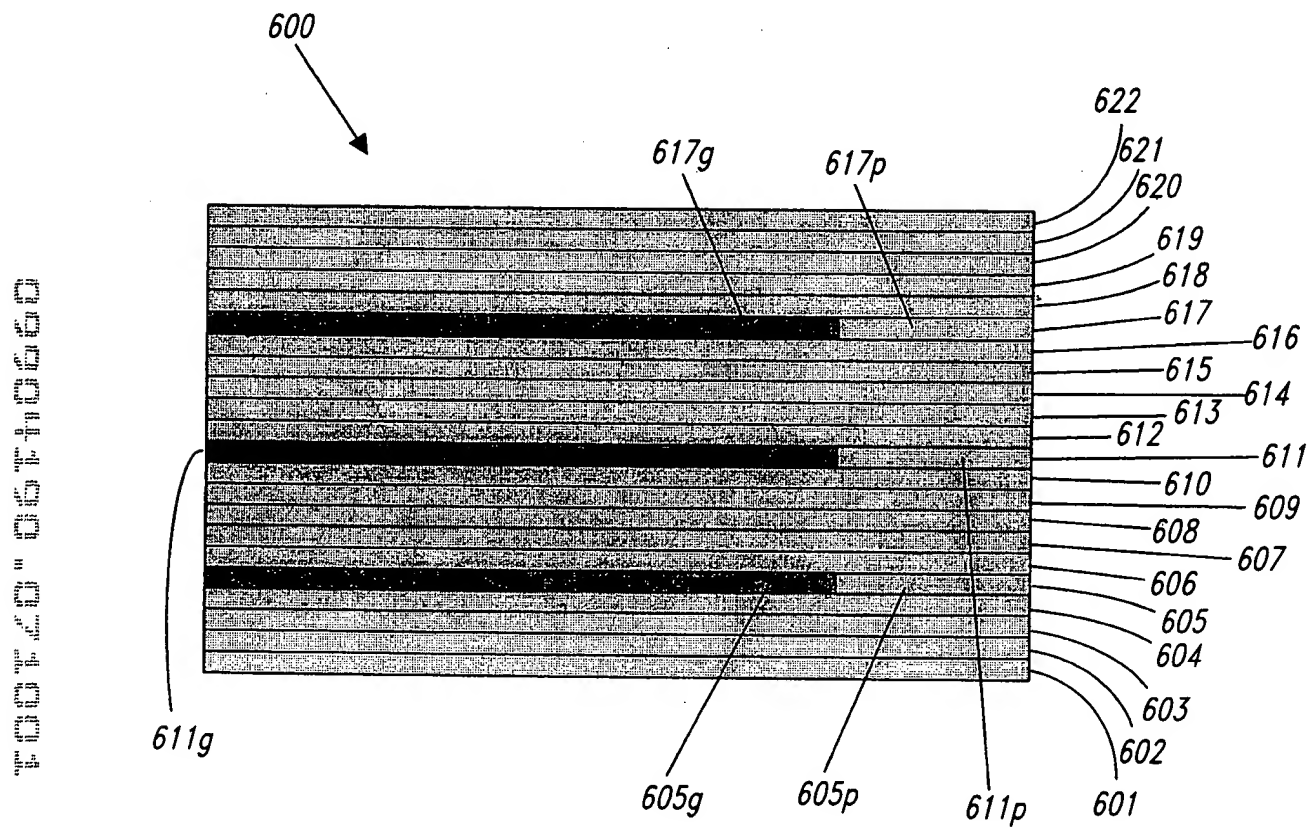
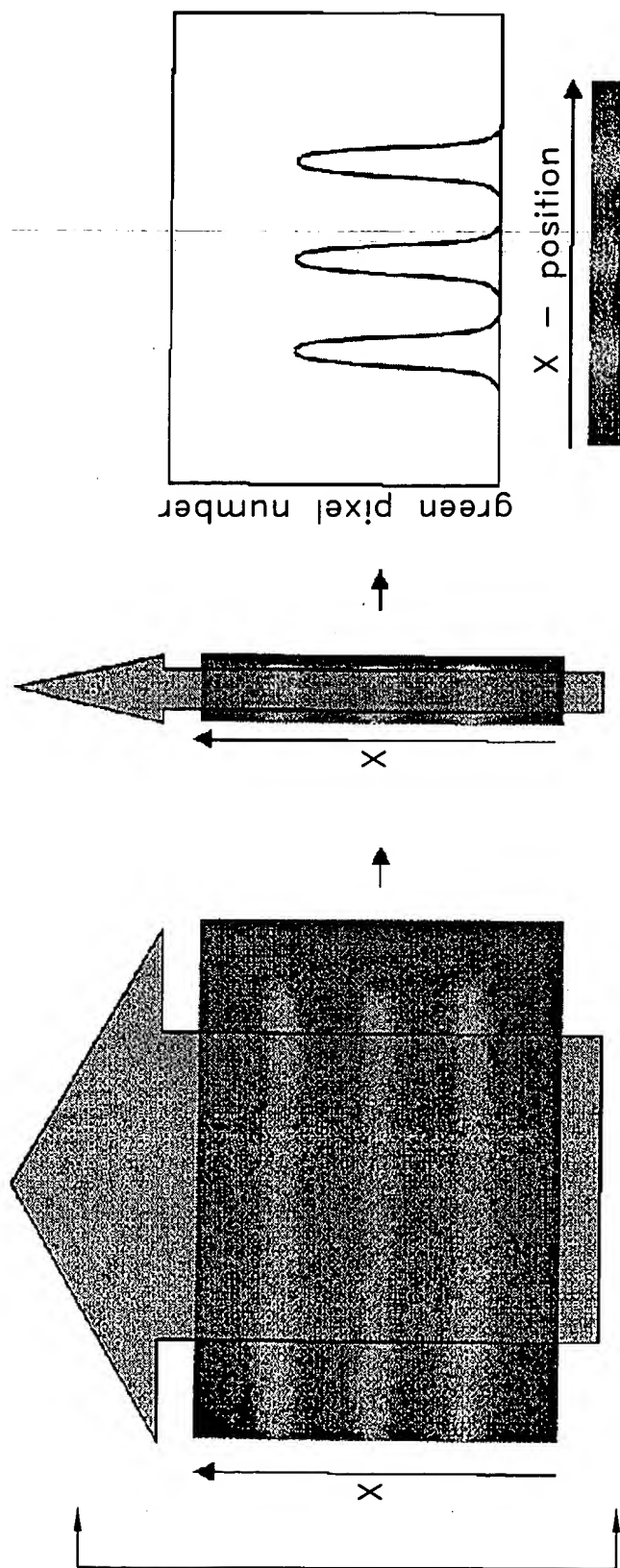


Fig. 6

SCANNING IMAGES FOR FLUORESCENT PIXEL DISTRIBUTION

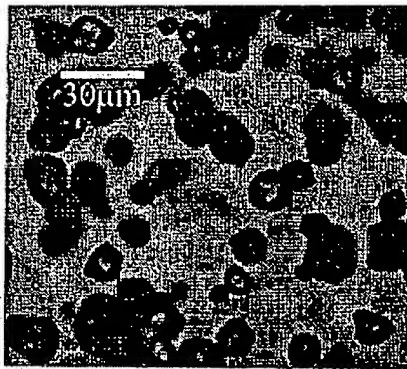


scan across digital image pixel count over position output: distribution

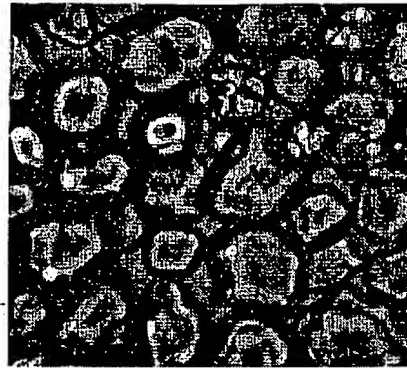
Fig. 7A

Fig. 7B

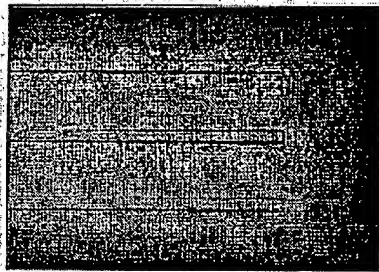
Fig. 7C



*Fig. 8A*

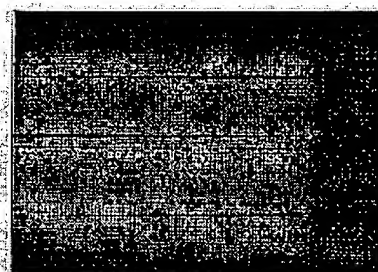


*Fig. 8B*



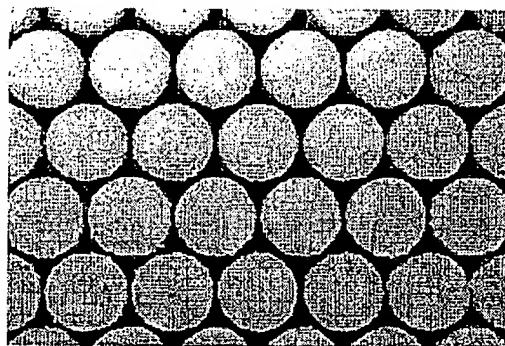
Powder: lactose 74 - 106µm  
Binder: 35wt% sucrose/DI H<sub>2</sub>O  
ave. thickness fluorescein layer = 1150µm

*Fig. 9A*

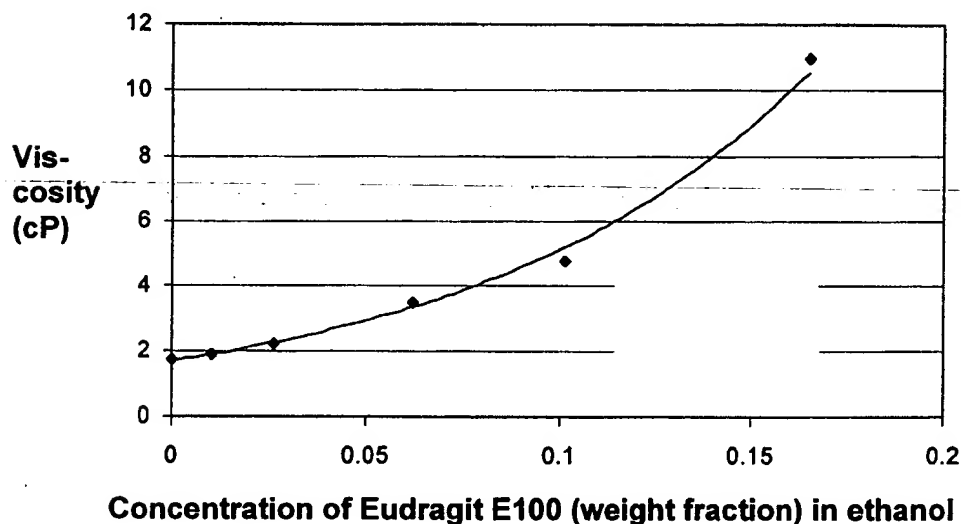


Powder: 90% lactose/10% Cornstarch  
Binder: 35wt% sucrose/DI H<sub>2</sub>O  
ave. thickness of fluorescein layer = 950µm

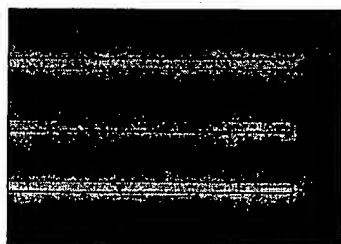
*Fig. 9B*



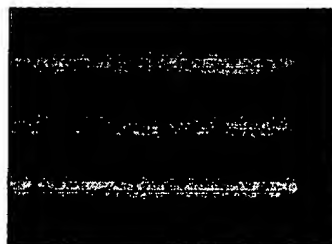
*Fig. 10*



*Fig. 11*



Powder: lactose 74 - 106 $\mu$ m  
 Binder: 12wt% E100/Ethanol  
 ave. thickness fluorescein layer = 550 $\mu$ m



Powder: 80% lactose/ 20%E100  
 Binder: 12wt% E100/Ethanol  
 ave. thickness fluorescein layer = 440 $\mu$ m

*Fig. 12A*

*Fig. 12B*

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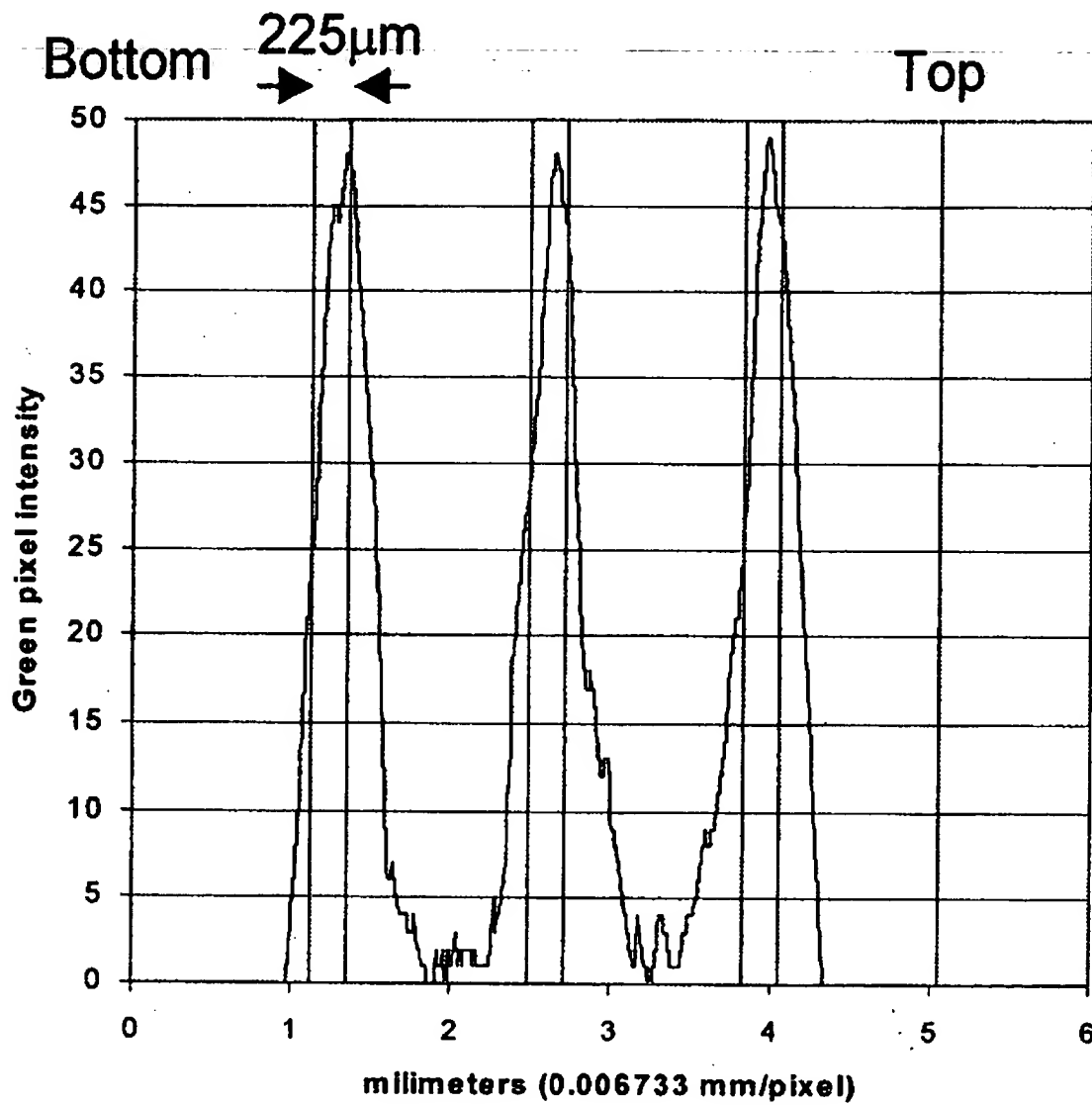
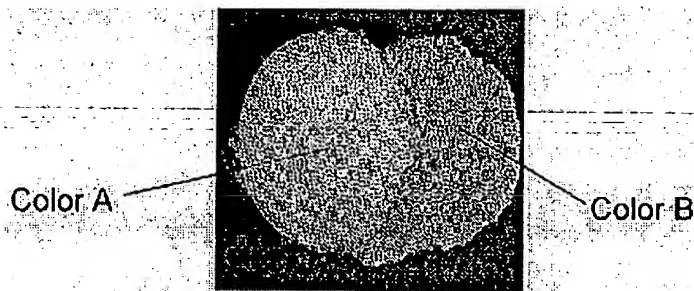
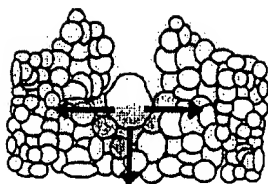


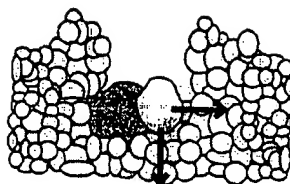
Fig. 13



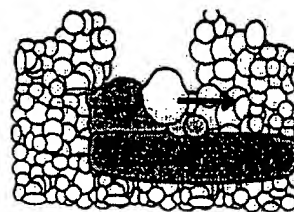
*Fig. 14*



dry powder



adjacent lines

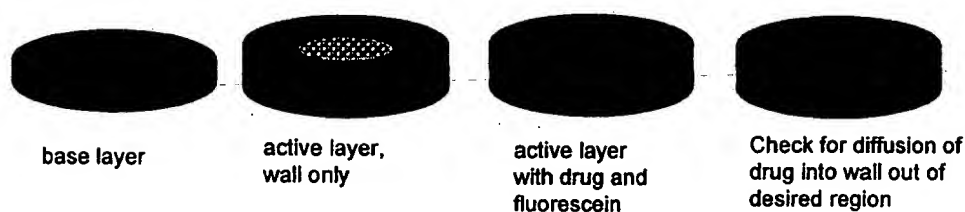


subsequent layers

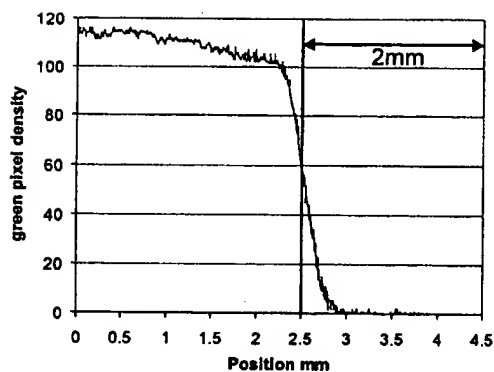
*Fig. 15A*

*Fig. 15B*

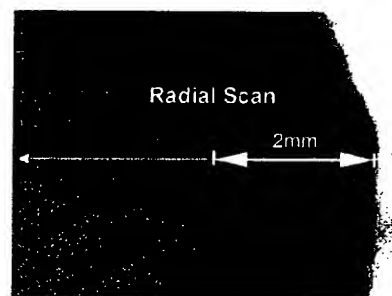
*Fig. 15C*



*Fig. 16A*



*Fig. 16B*



*Fig. 16C*